



PATENT  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. MBHB 01-099)

In the Application of:

Rudger Rubbert

Serial No. 09/834,593

Filed: April 13, 2001

Title: Scanning System and Calibration  
Method for Capturing Precise  
Three-Dimensional Information of  
Objects

Confirmation No. 4535

Group Art Unit: 2621

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JAN 23 2002

Technology Center 2600

TRANSMITTAL LETTER

Commissioner for Patents  
Washington DC 20231

Sir:

- transmitting herewith the attached:
1. Supplemental Information Disclosure Statement
  1. PTO-1449
  2. References
  3. Cited Record
  4. Return Postage

2. With respect to additional mail fee is required.
- A. ☒ No additional fee in the amount of \$\_\_\_\_\_.
  - B. ☐ Attached is an additional fee to our Deposit Account No. 13-2490.
  - C. ☐ Charge the fee to \_\_\_\_\_.

3. Please charge any additional fees on credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.

4. **CERTIFICATE OF MAILING UNDERTAKEN** in paragraph 1 hereinabove, are being deposited that this Transmittal Letter and the paper, as described postage as first class mail in an envelope with the United States Postal Service with sufficient D.C. 20231 on this 26 day of October, 2001. addressed to: Commissioner for Patents, Washington

By Thomas A. Fairhall  
Reg. No. 34,591



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#9  
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2-13-02

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Pursuant to the duty of disclosure provided by 35 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references and information of record in the above-identified application. Copies of the cited references are enclosed. The references are also listed in the PTO-1449 form enclosed herewith. It is requested that the references and information be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing from the present application.

In the judgment of the undersigned, portions of the references may be material to the examination of the pending claims. However, the references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the

cited references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. §§ 102 or 103.

#### CITED REFERENCES

##### Other:

Charles A. Pelizzari et al., "Accurate Three-Dimensional Registration of CT, PET, and/or MR Images of the Brain", *Journal of Computer Assisted Tomography*, 13(1):20-26, January/February, 1989.

Klaus D. Toennies et al., "Registration of 3D Objects and Surfaces", *IEEE Computer Graphics & Applications*, 1990, pages 52-62.

Behrooz Kamgar-Parsi et al., "Registration of Multiple Overlapping Range Images: Scenes without Distinctive Features", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, Vol. 13, No. 9, September 1991, pages 857-871.


Hui Li et al., "Registration of 3-D Multimodality Brain Images by Curve Matching", *IEEE*, 1994, pages 1744-1748.

Jean-Francois Mangin et al., "Nonsupervised 3D Registration of PET and MRI Data Using Chamfer Matching", *IEEE*, 1993, pages 1262-1264.

Respectfully submitted.  
McDonnell Boehnen Hulbert & Berghoff

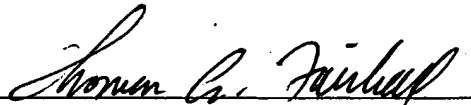
Date: 10/26/01

By:

  
Thomas A. Fairhall  
Reg. No. 34,591

## CERTIFICATE OF MAILING

The undersigned hereby certifies that the foregoing INFORMATION DISCLOSURE STATEMENT is being deposited as first class mail, postage prepaid, in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231 on this 26 day of October, 2001.

  
Thomas A. Fairhall

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No.	Serial No.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)		01,099	09/834,593
	Applicant: <i>Technology Center 2600</i> Rudger Rubbert		
Filing Date: 04/13/01	Group: 2621		



## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

		Charles A. Pelizzari et al., "Accurate Three-Dimensional Registration of CT, PET, and/or MR Images of the Brain", <i>Journal of Computer Assisted Tomography</i> , 13(1):20-26, January/February, 1989.
		Klaus D. Toennies et al, "Registration of 3D Objects and Surfaces", <i>IEEE Computer Graphics &amp; Applications</i> , 1990, pages 52-62.
		Behrooz Kamgar-Parsi et al., "Registration of Multiple Overlapping Range Images: Scenes without Distinctive Features", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Vol. 13, No. 9, September 1991, pages 857-871
		Hui Li et al., "Registration of 3-D Multimodality Brain Images by Curve Matching", <i>IEEE</i> , 1994, pages 1744-1748.
		Jean-François Mangin et al., "Nonsupervised 3D Registration of PET and MRI Data Using Chamfer Matching", <i>IEEE</i> , 1993, pages 1262-1264.
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.